

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	92	398/122.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/10/29 08:07
L2	241	(398/129).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/10/29 08:08
L3	263	(398/131).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/10/29 08:08
L4	36	398/123.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/10/29 08:09
L5	552	iwamoto-takashi.in. or sakane-manabu.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/10/29 08:09
L6	142804	(bandgap or gap).clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/10/29 08:09
L7	2	5 and 6	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/10/29 08:09
L8	1212	398/118-131.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/10/29 08:10
L9	10	6 and 8	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/10/29 08:10
L10	142	398/32.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/10/29 08:15
L11	51643	(bandgap or (band adj gap))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/10/29 08:15
L12	10	8 and 11	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/10/29 08:15
L13	1639	gainasp and inp	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/10/29 08:15
L14	0	8 and 13	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/10/29 08:15
S1	2	"20040197098".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/07/03 13:39

## EAST Search History

S2	1	("3790277").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/06/29 10:59
S3	1	("6616352").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/06/29 16:51
S4	238	(398/129).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/06/29 16:52
S5	259	(398/131).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/06/29 16:52
S6	2338745	pilot or monitor or monitoring or supervisory or supplemental or secondary	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/07/03 13:39
S7	400	S4 or S5	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/06/29 16:56
S8	132	S6 and S7	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/06/29 16:57
S9	1060	"930" with S6	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/06/29 17:00
S10	15357	398/1-214.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/06/29 16:57
S11	9	S9 and S10	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/06/29 16:57
S12	991	"940" with S6	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/06/29 16:59
S13	11	S10 and S12	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/06/29 16:58
S14	1236	"950" with S6	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/06/29 17:00
S15	11	S10 and S14	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/06/29 16:59
S16	831	"960" with S6	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/06/29 17:00
S17	7	S10 and S16	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/06/29 17:00

## EAST Search History

S18	479	"930" adj2 (nm or nanometer\$1 or nanometre\$1)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/06/29 17:01
S19	14	S10 and S18	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/06/29 17:01
S20	90	398/122.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/07/03 13:39
S21	137	398/32.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/07/03 13:39
S22	1183	398/118-131.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/07/03 13:39
S23	2792097	pilot or monitor or monitoring or supervisory or supplemental or secondary or auxiliary	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/07/03 13:40
S24	1874254	mirror\$1 or reflect\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/07/03 13:40
S25	13461450	control\$4 or mov\$5 or adjust\$4 or tilt\$4 or rotat\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/07/03 13:41
S26	419004	S24 with S25	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/07/03 13:42
S27	1	("7194209").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/07/03 13:58
S28	128461	S23 and S26	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/07/03 14:51
S29	175	S22 and S28	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/07/03 14:50
S31	174162	S23 near2 (signal\$1 or pattern\$1)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/07/03 15:52
S32	14994	S31 and S26	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/07/03 14:52
S33	46	S22 and S32	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/07/03 15:50

## EAST Search History

S34	2655696	(tracking or align\$4 or target or targeting)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/07/03 15:58
S35	180745	S34 near2 (signal\$1 or beam\$1 or light\$1)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/07/03 15:58
S36	300	S22 and S35	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/07/03 15:53
S37	167	S36 and S26	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/07/03 15:53
S38	20555	(tracking or align\$4) adj1 (beam\$1 or signal\$1)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/07/03 15:59
S39	88	S22 and S38	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/07/03 15:59
S40	52	S26 and S39	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/07/03 16:44
S41	106	S22 and beacon\$1	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/07/03 16:44
S42	62	S41 and S26	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/07/03 16:45
S43	1	("6,870,871").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/07/03 17:08
S44	1979	gainasp	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/07/03 17:09
S45	200	S44 with ((band adj gap) or bandgap)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/07/03 17:09
S46	16710	inp with substrate\$1	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/07/03 17:10
S47	145	S45 and S46	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/07/03 17:10
S48	62	S44 same (receiv\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/07/03 17:12

## EAST Search History

S49	178	S44 same (absor\$5)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/07/03 17:13
S50	22	S48 and S49	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/07/03 17:13
S51	7	S45 and S50	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/07/03 17:13
S52	5	("3511998"   "5142400"   "5465170"   "5594580").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/07/03 17:57
S53	18	("3511998"   "5142400"   "5465170"   "5594580").PN. OR ("2002/0131121"   "2004/0208595"   "6091528").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/07/03 17:58
S54	3	((("20040208595") or ("20020131121") or ("6091528"))).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/07/03 17:59
S55	1	("7194209").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/07/03 19:12
S56	3	((("20040208595") or ("20020131121") or ("6091528"))).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/07/03 18:23
S57	32	398/123.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/07/03 19:12
S58	543	iwamoto-takashi.in. or sakane-manabu.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/07/03 19:13